

Supplementary data

Lyophilization Based Isolation of Exosomes

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Supporting Figures:

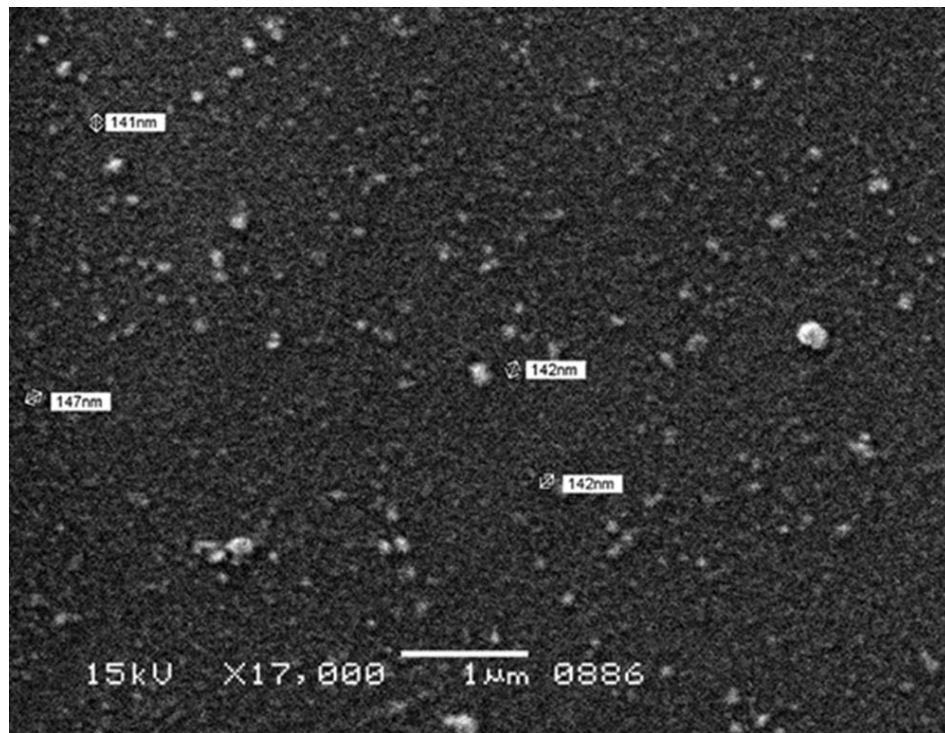


Figure S1. Scanning electron micrographs of exosomes isolated from Ba/F3-P185 cells.

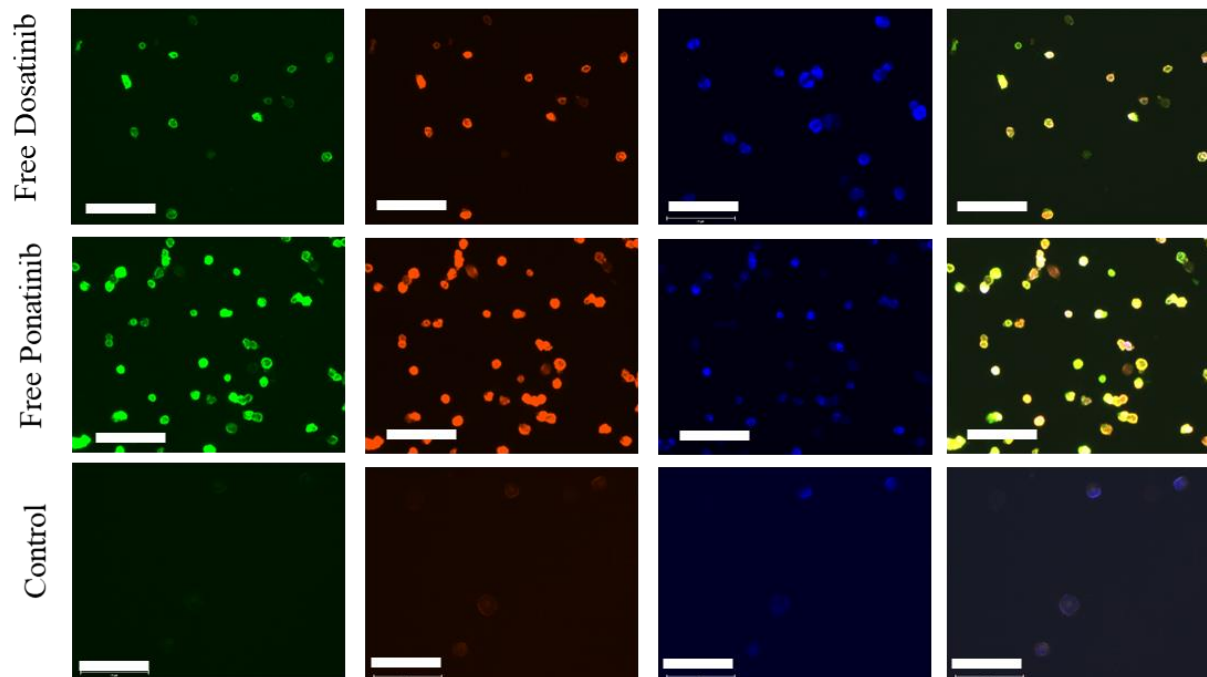


Figure S2. K562 controls for apoptosis effect after various free tyrosine kinase inhibitors.

Effect under a fluorescence microscope. The scale bar is 75 μm .

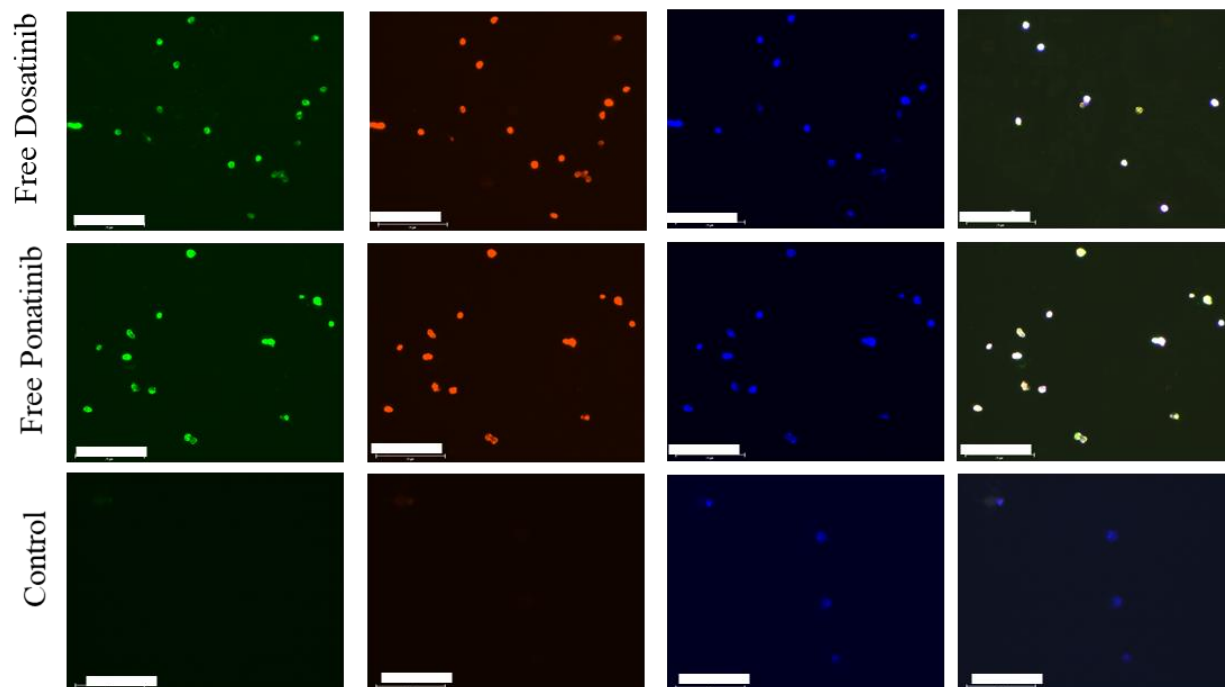


Figure S3. Ba/F3-P185 controls for apoptosis effect after various free tyrosine kinase inhibitors.

Effect under a fluorescence microscope. The scale bar is 75 μm .

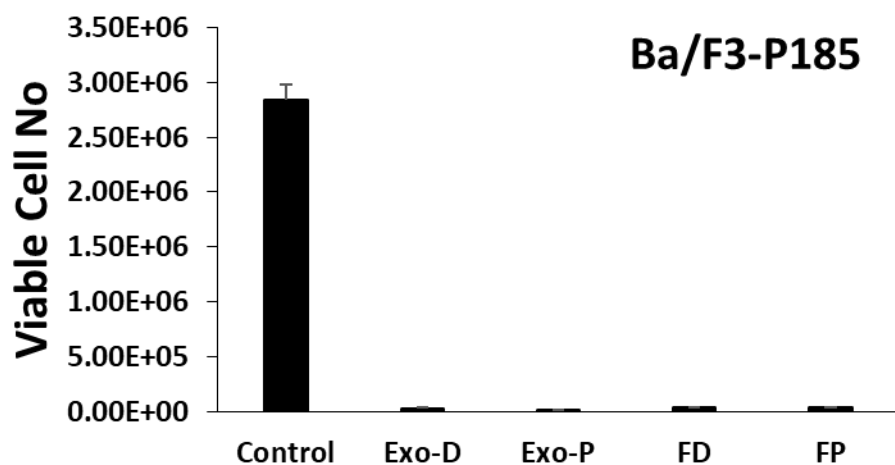
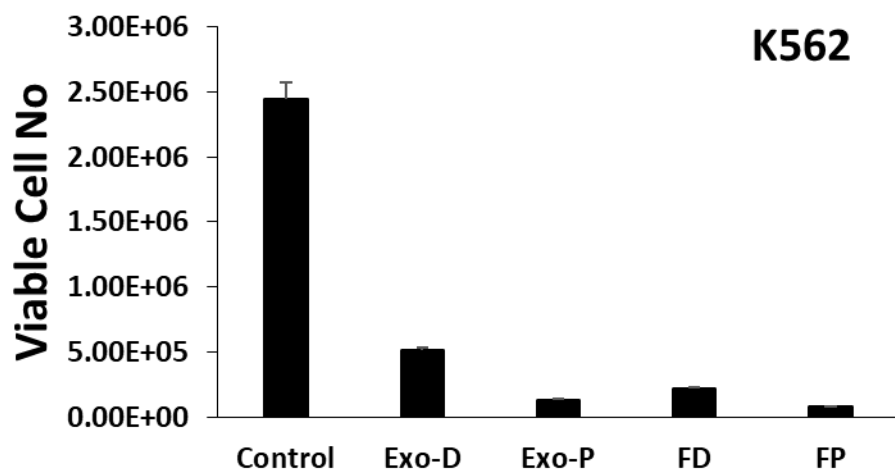


Figure S4. Viable cell count after treatment of K562 and Ba/F3-P185 cells with drug-loaded exosomes. Exo-P refers to exosomes with ponatinib, Exo-D refers to exosomes with ponatinib, whereas FP and FD represent free ponatinib and free dasatinib, respectively.

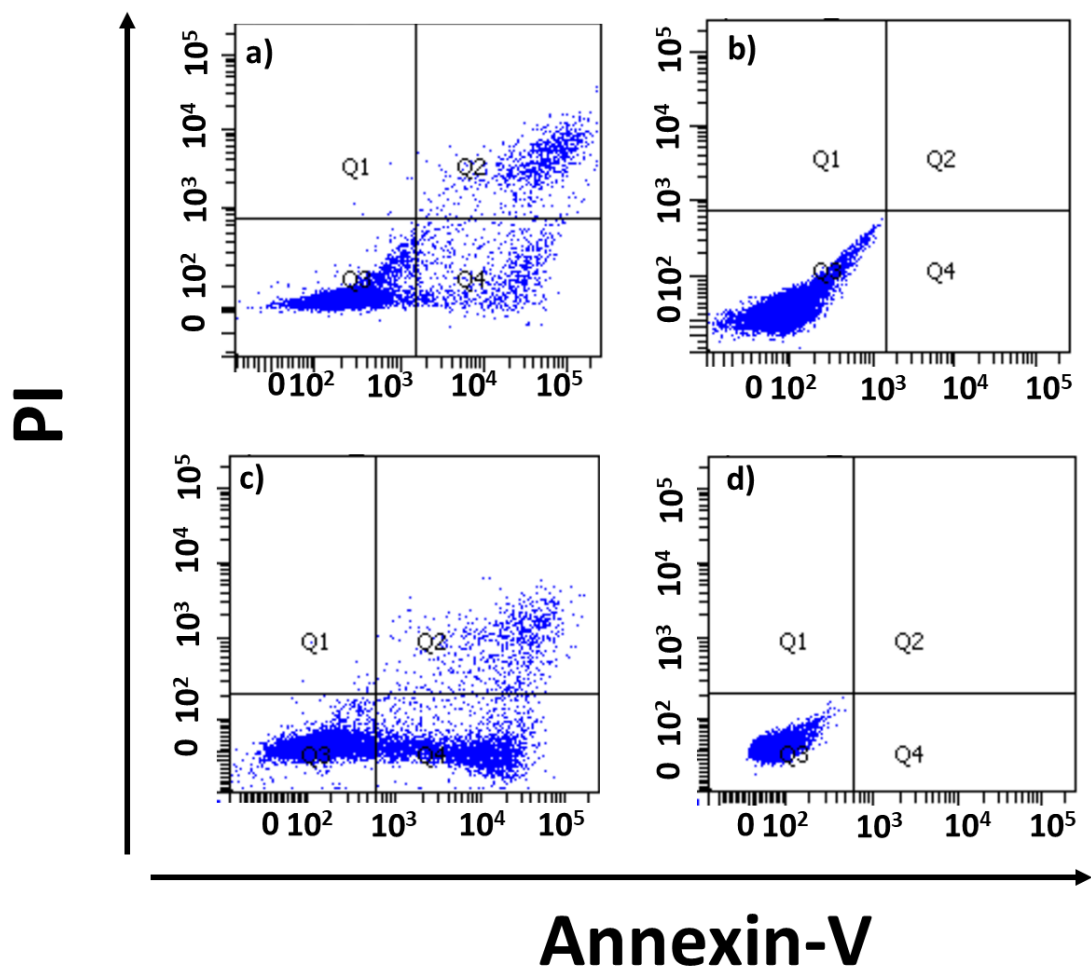


Figure S5. Flow cytometry data of Annexin V- PI stained and unstained controls of treated K562 (a, b) and Ba/F3-P185 (c, d) cells, respectively.

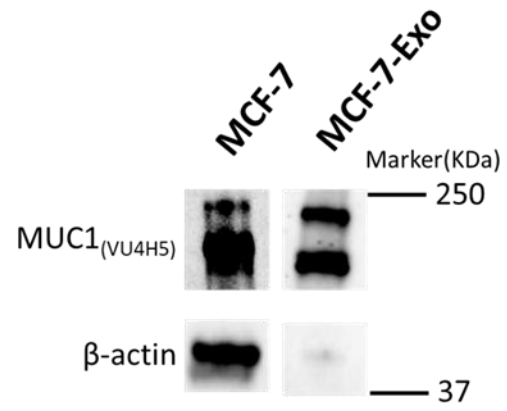


Figure S6. Western blots of MUC1 Protein expressed on the MCF7 cells and their exosomes isolated via the lyophilization method. β-actin was run as a control.